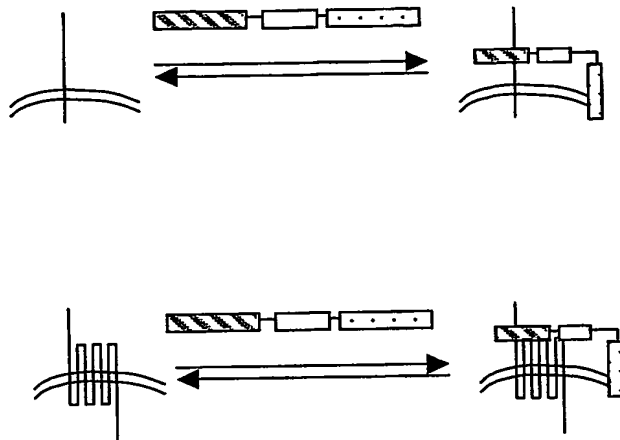


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**Fig. 1**

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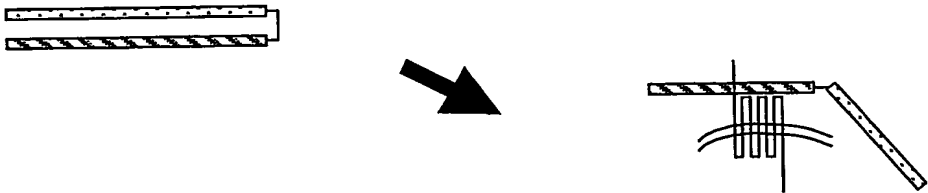
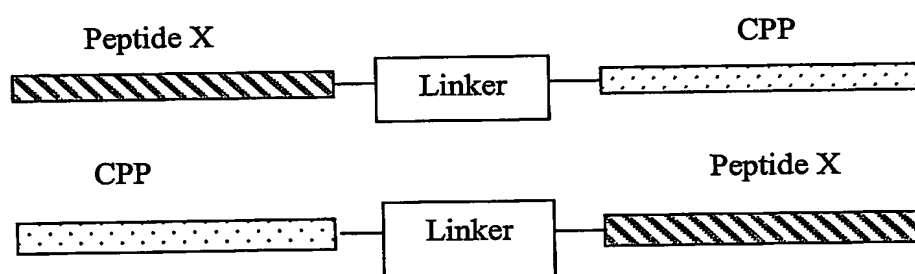
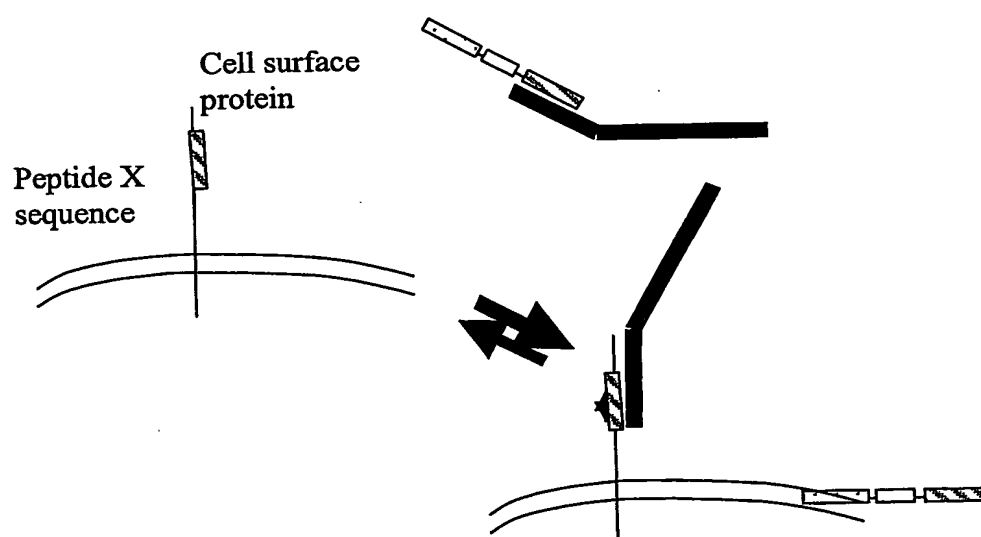


Fig. 2

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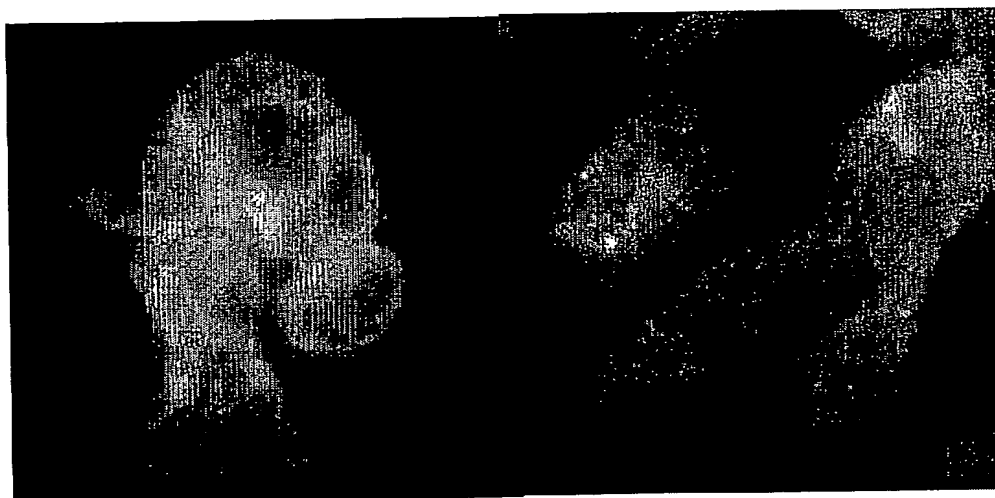
**Fig. 3**

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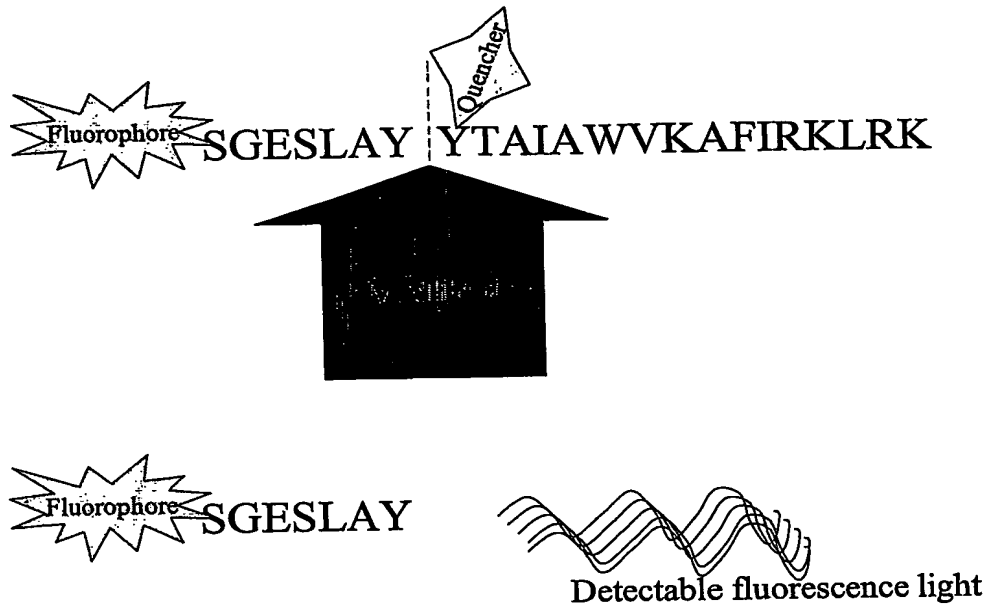
**Fig. 4**

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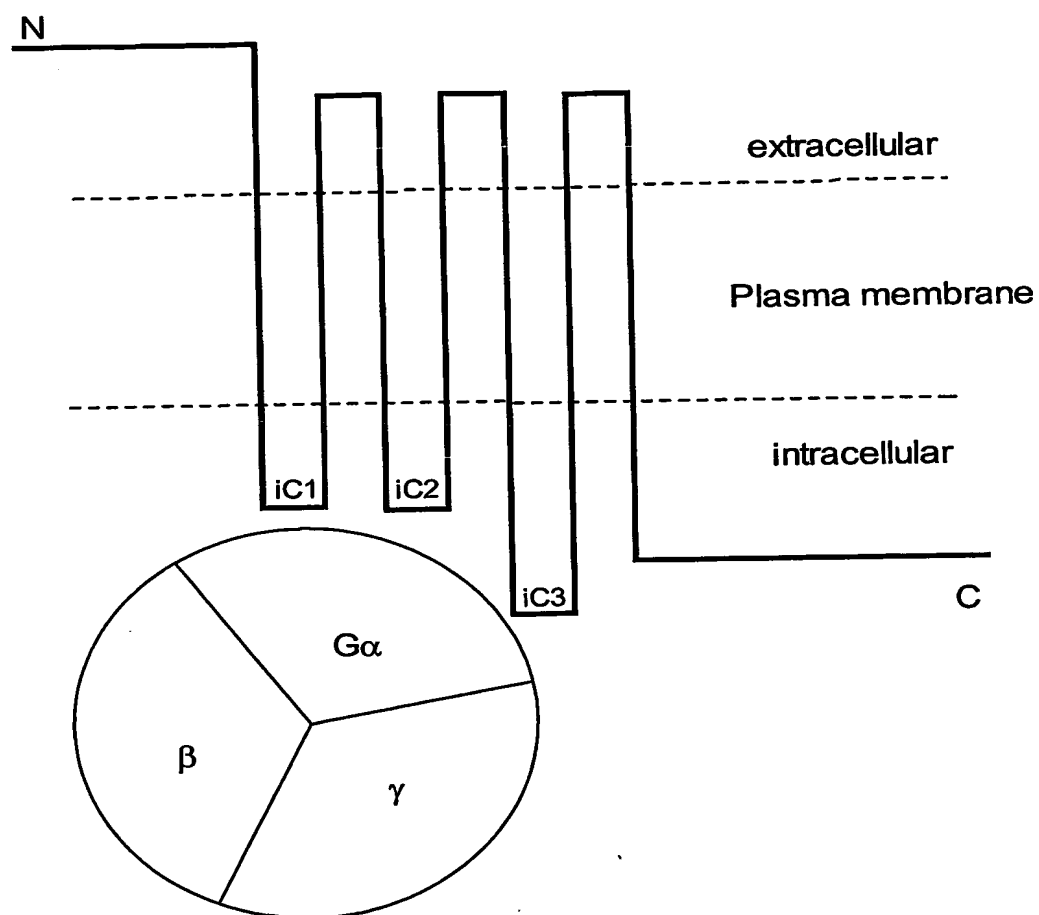


**Fig. 5**

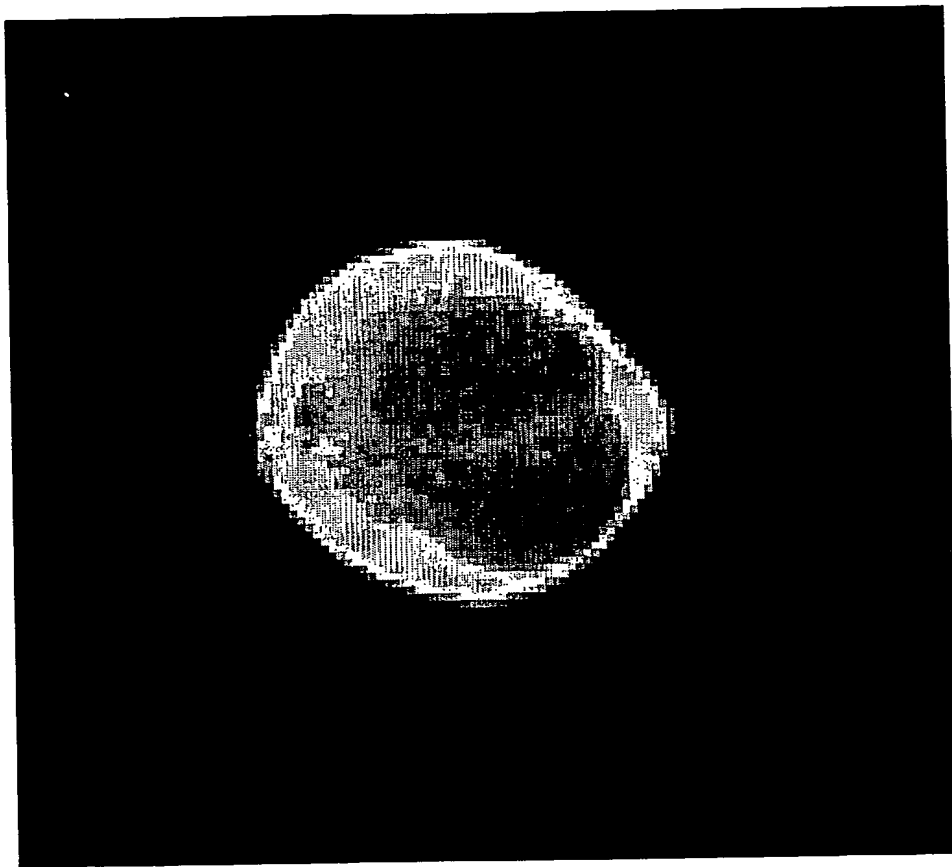
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**Fig. 6**

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**Fig. 7**

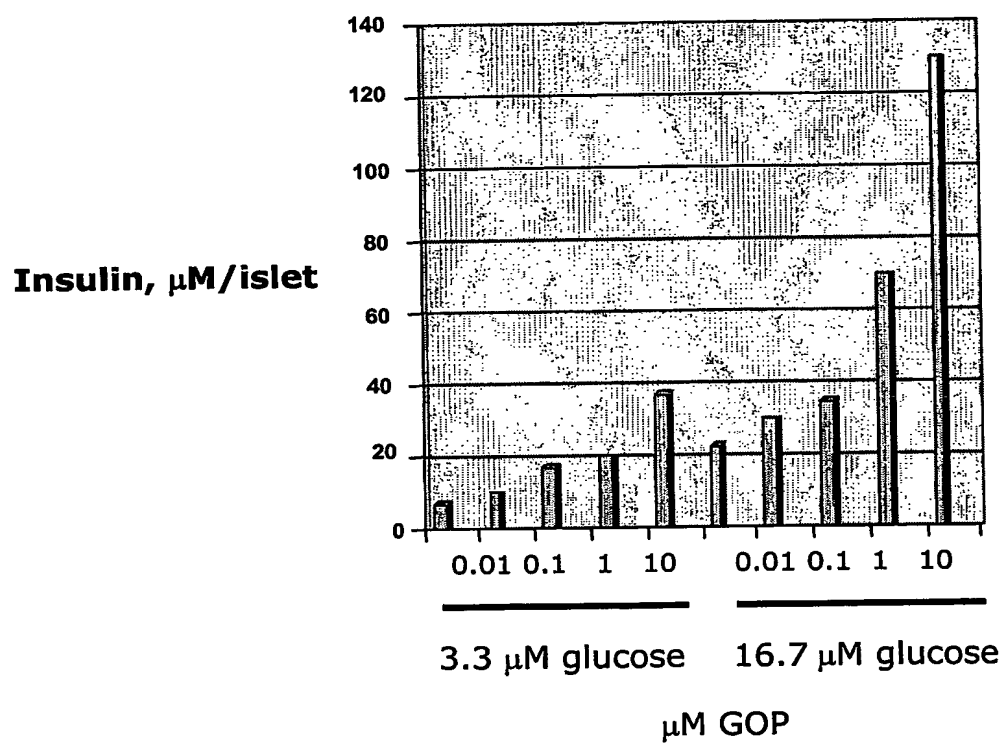
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**Fig. 8**



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**Fig. 9**

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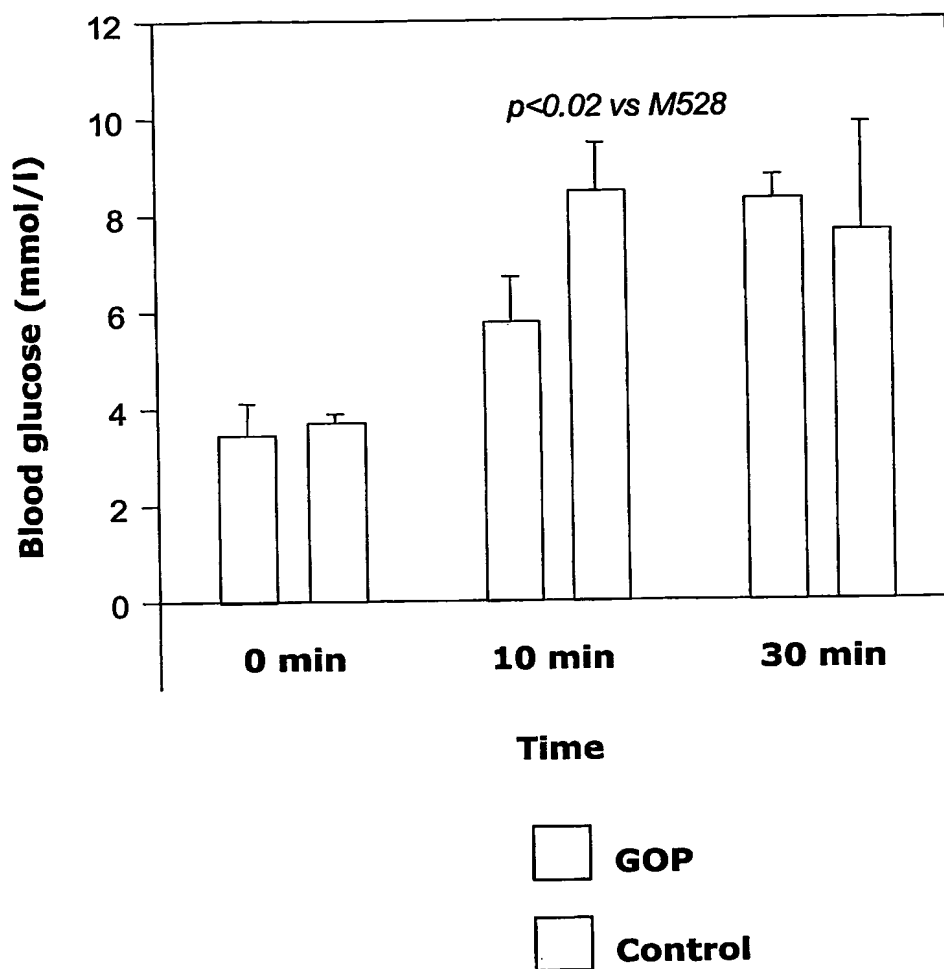


Fig. 10

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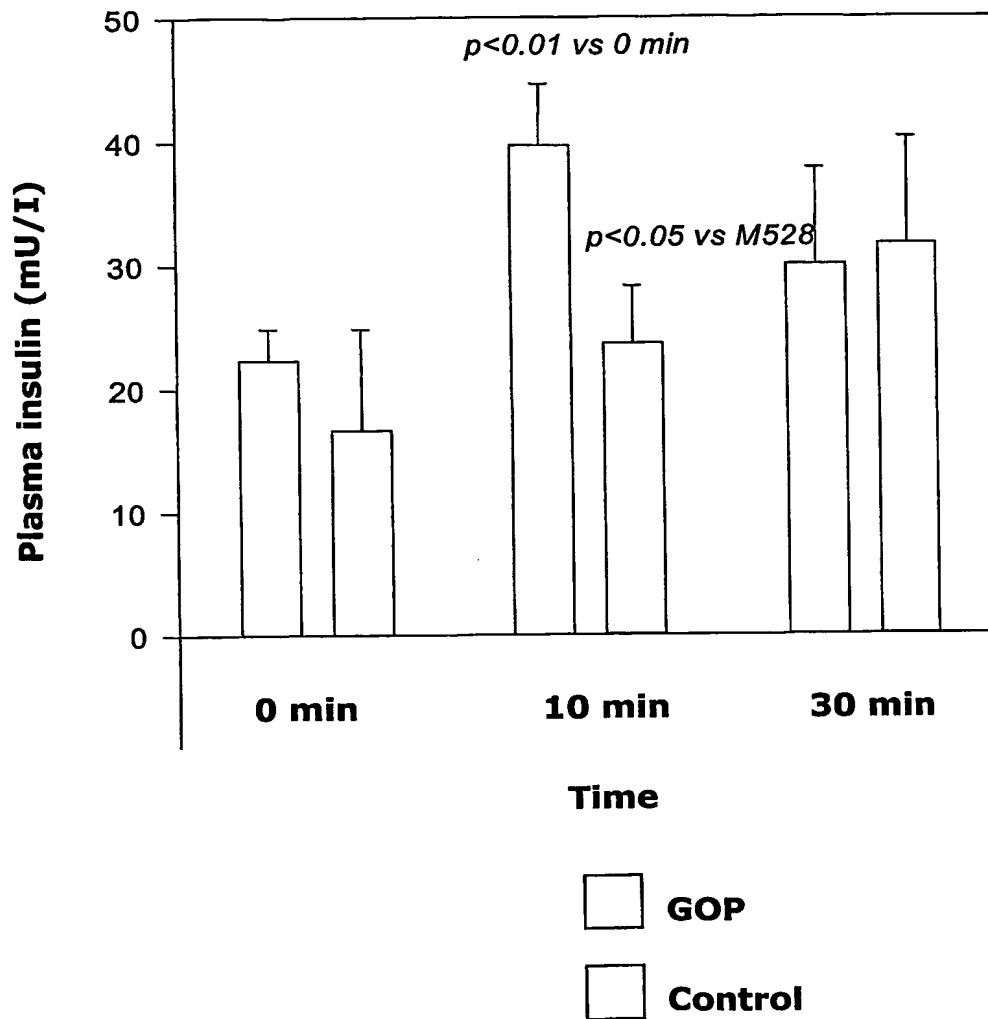


Fig. 11

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**Fig. 12**

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## YTA-2

Peptide:	Sequence:	Uptake:
YTA-2	biotin-YTAIAWVKAFIRKLRK-amide	+++
YTA-2 ps	biotin-SGESLAYYTAIAWVKAFIRKLRK-amide	+

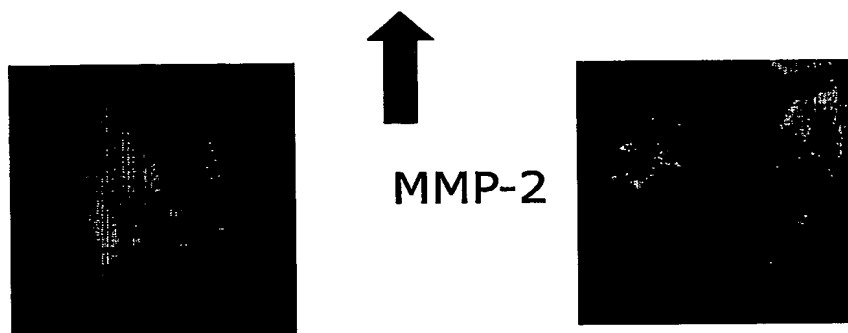


Fig. 12

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## YTA-2

Peptide:	Sequence:	Uptake:
YTA-2	biotin-YTAIAWVKAFIRKLRK-amide	+++
YTA-2 ps	biotin-SGESLAYYTAAIAWVKAFIRKLRK-amide	+

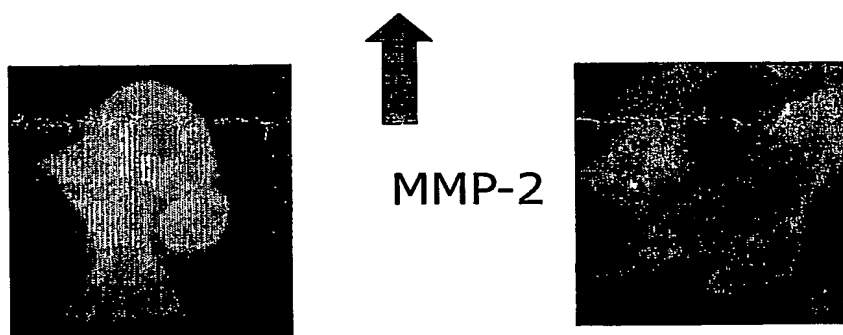


Fig. 13



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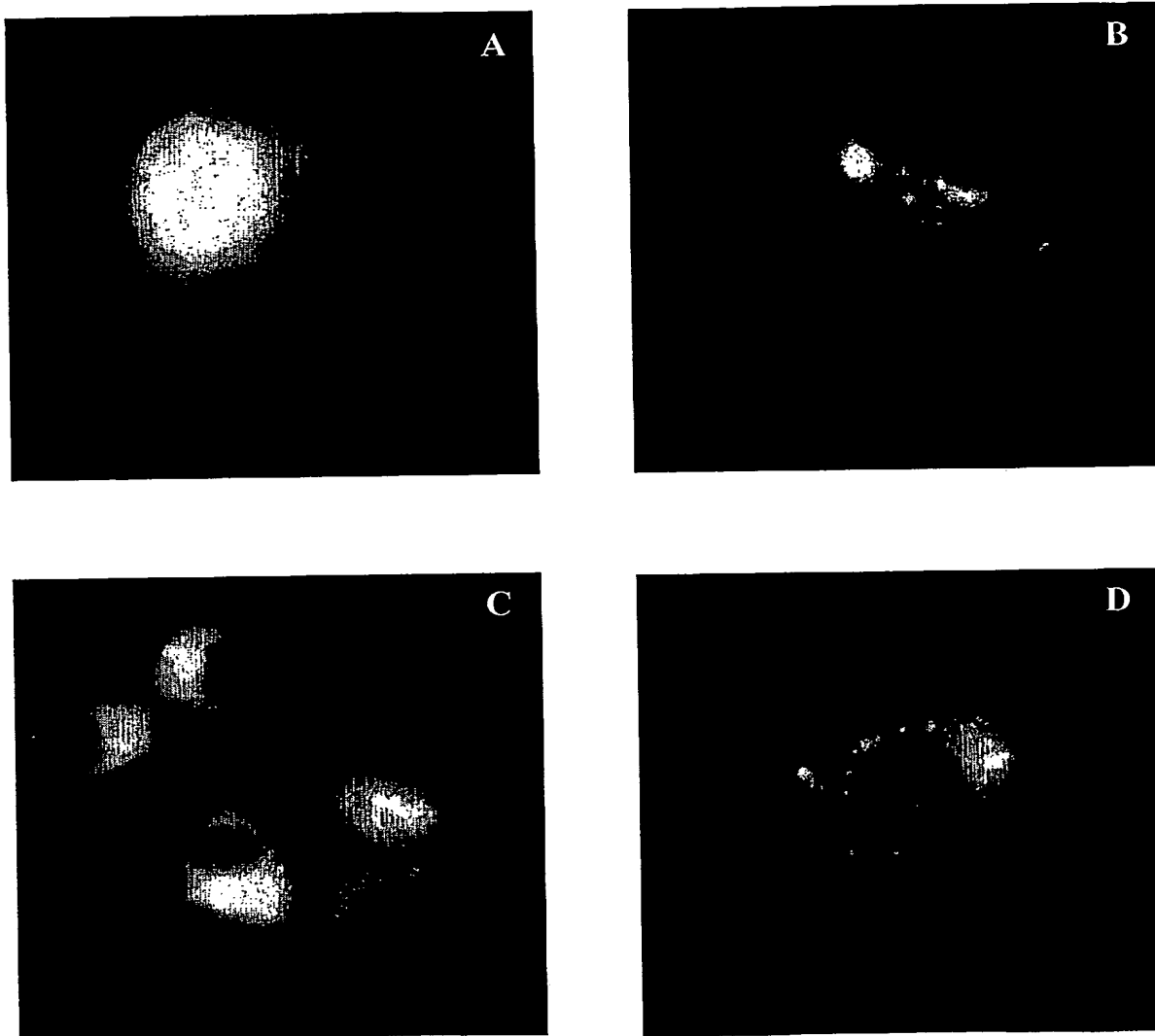
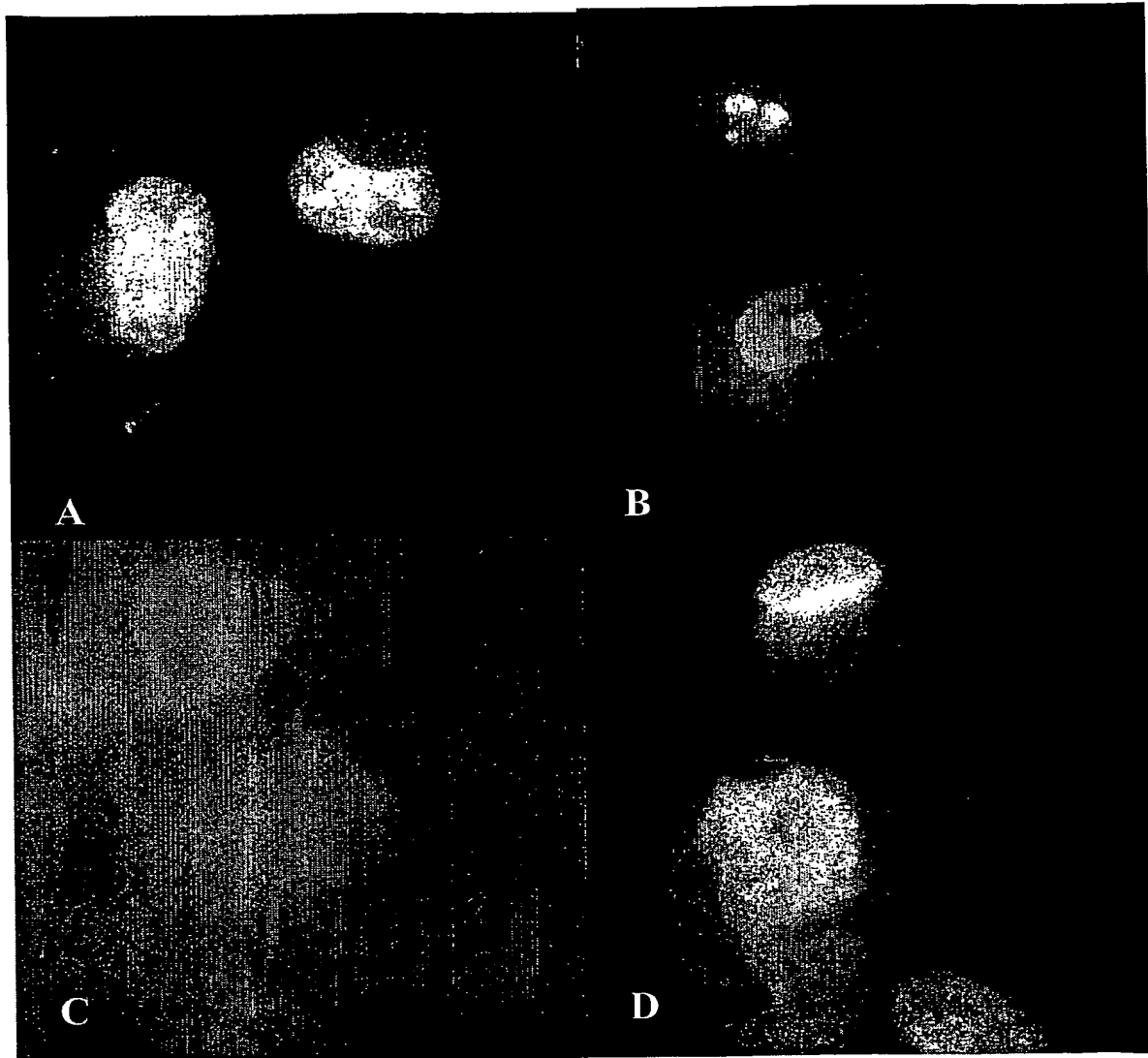


Fig. 14



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**Fig. 15**

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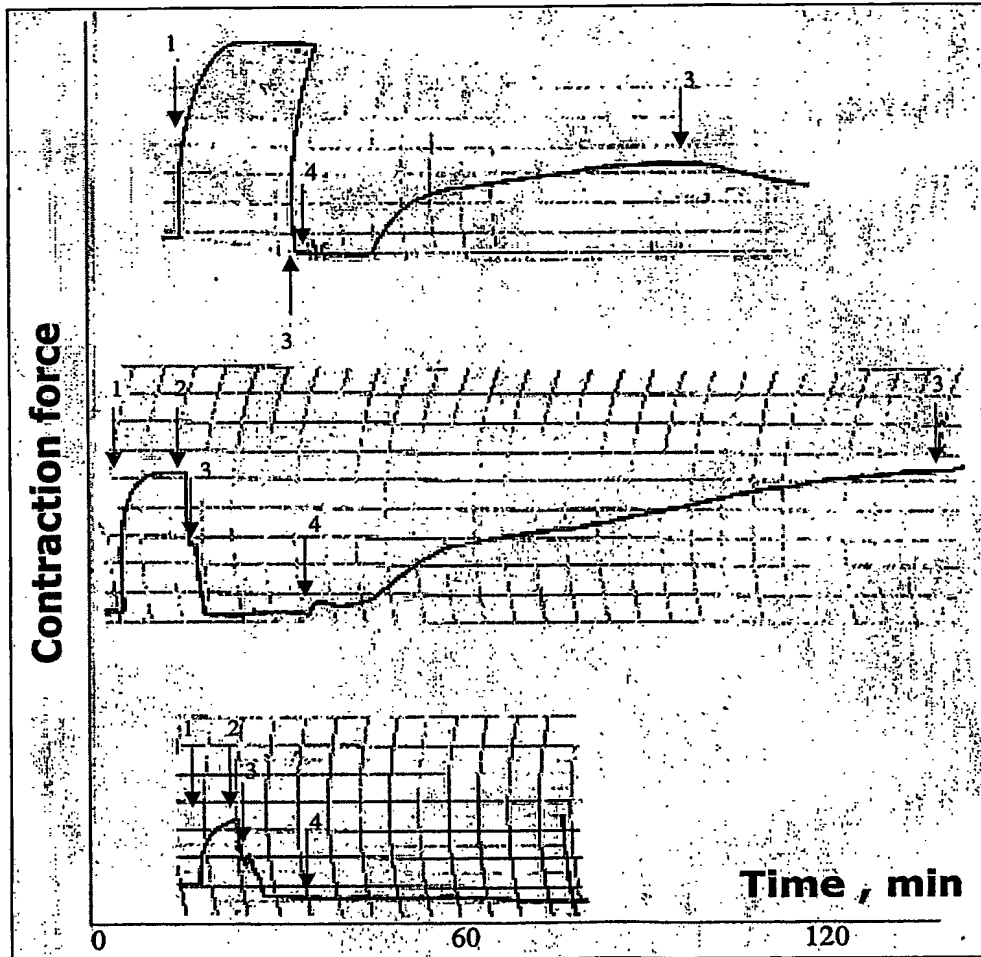


Fig. 16

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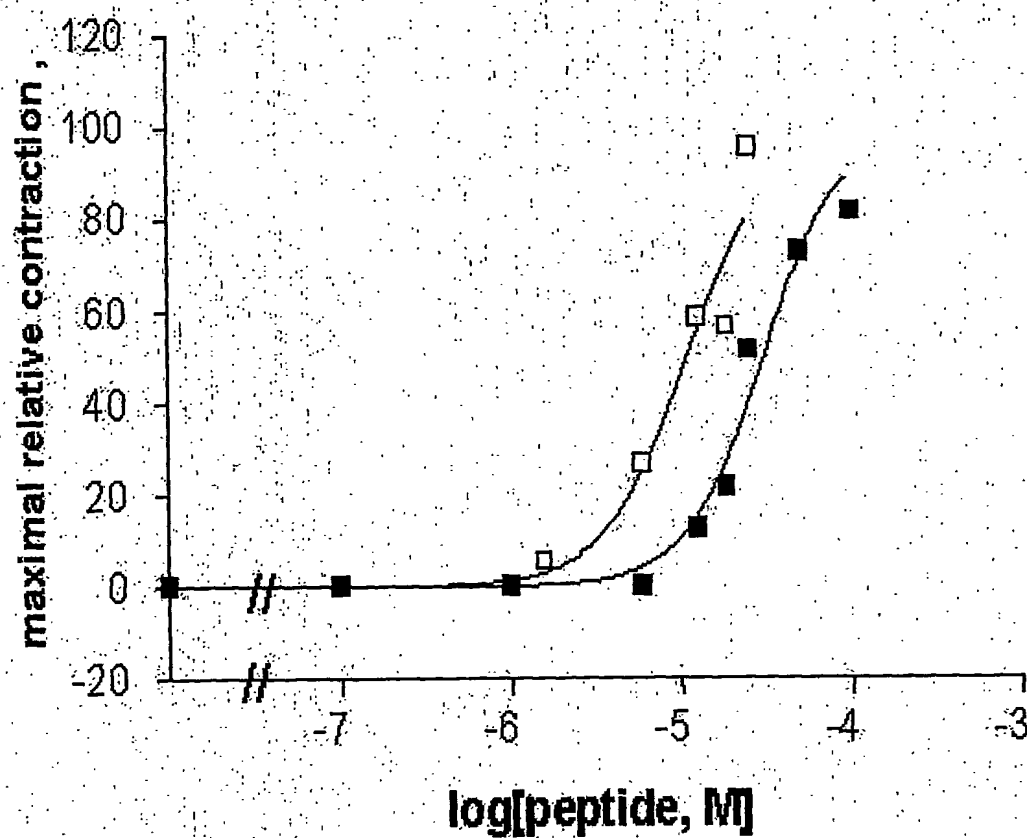


Fig. 17

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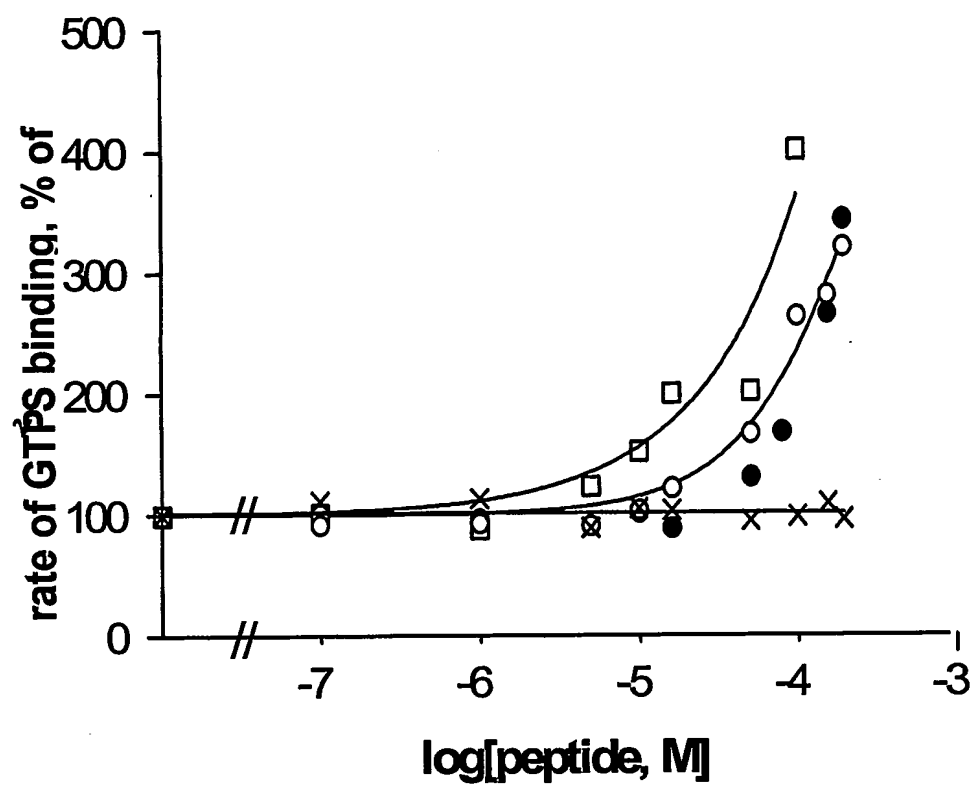


Fig. 18

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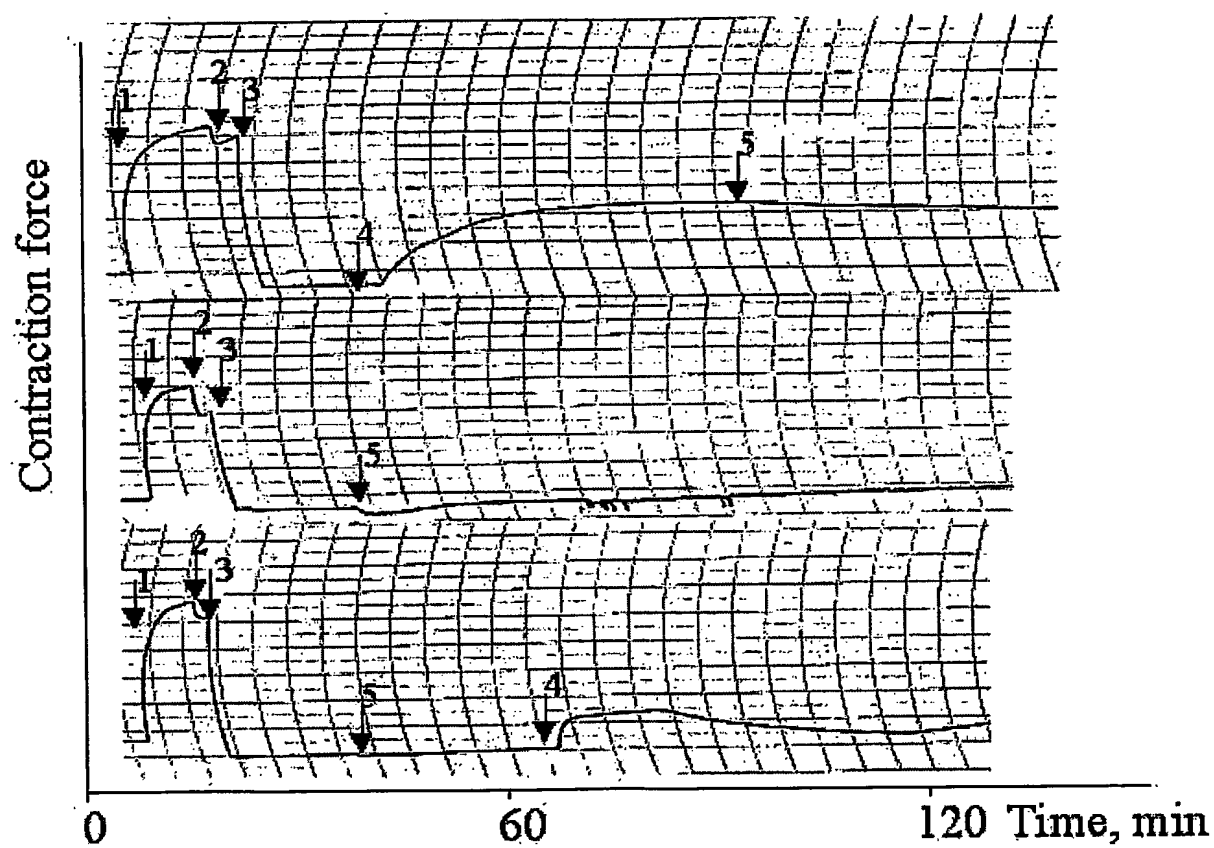


Fig. 19

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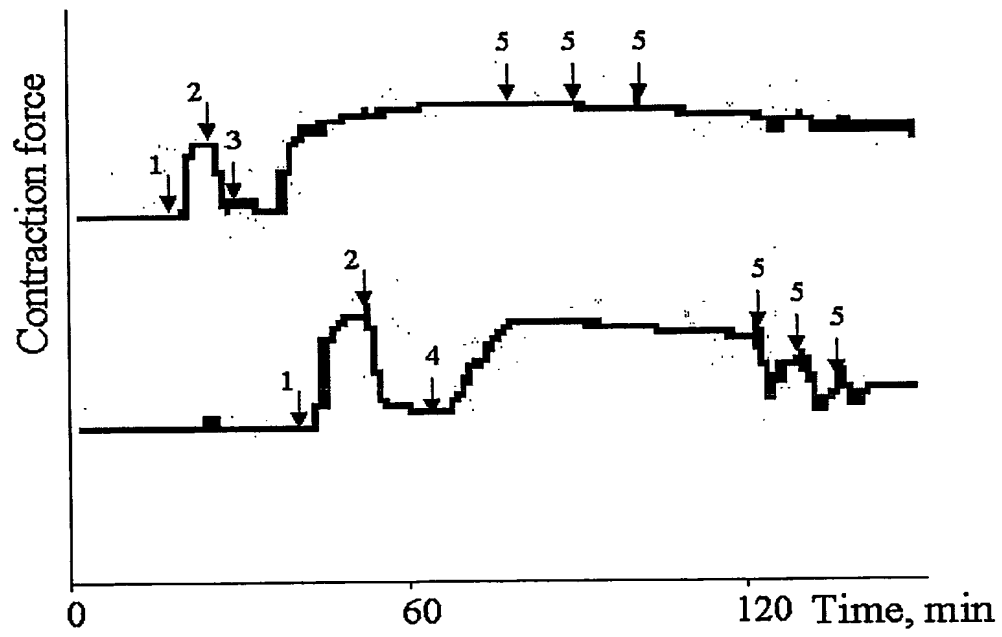


Fig. 20

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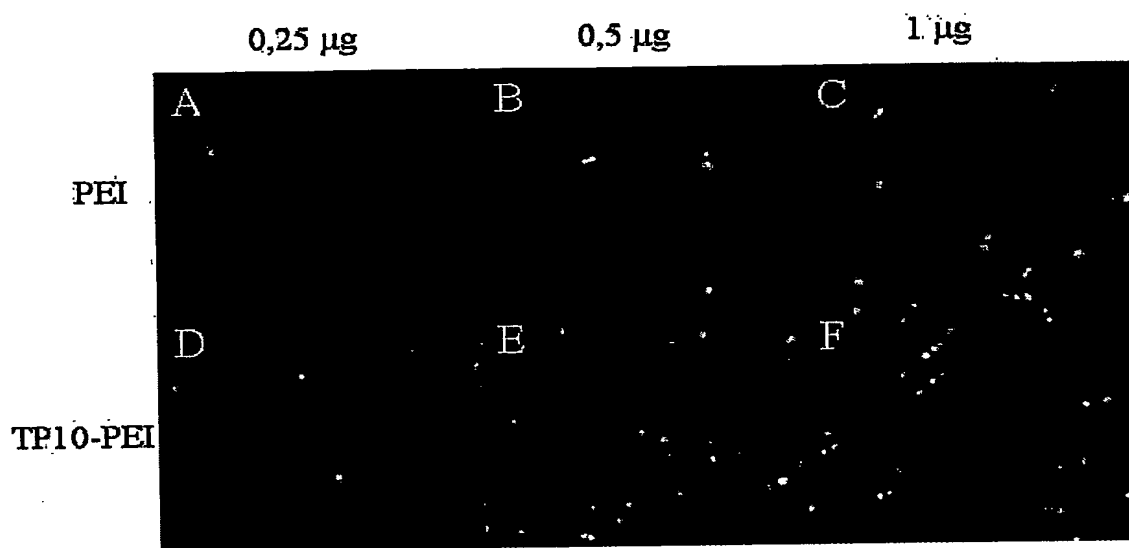
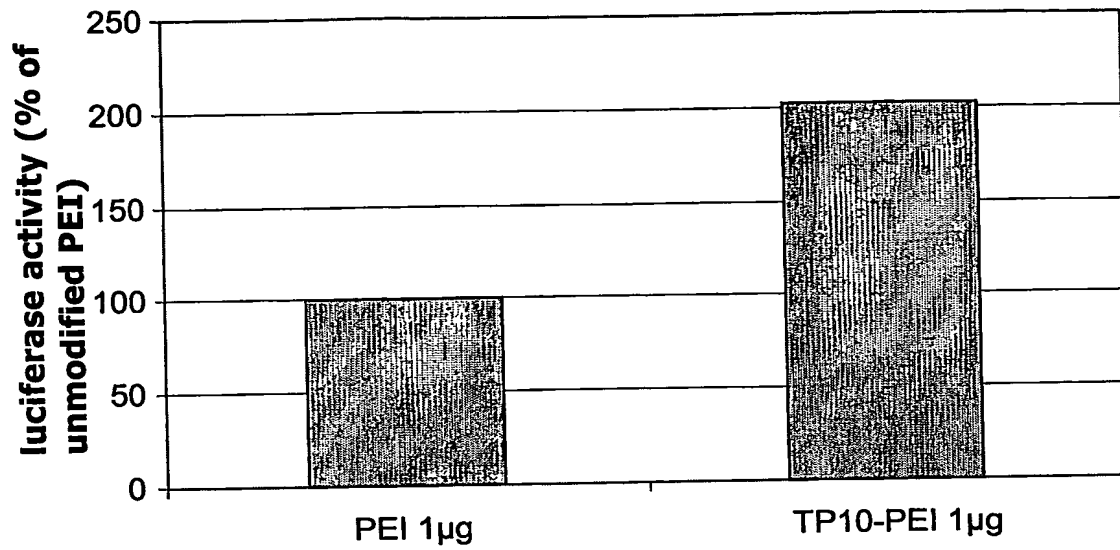


Fig. 21A

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A



B

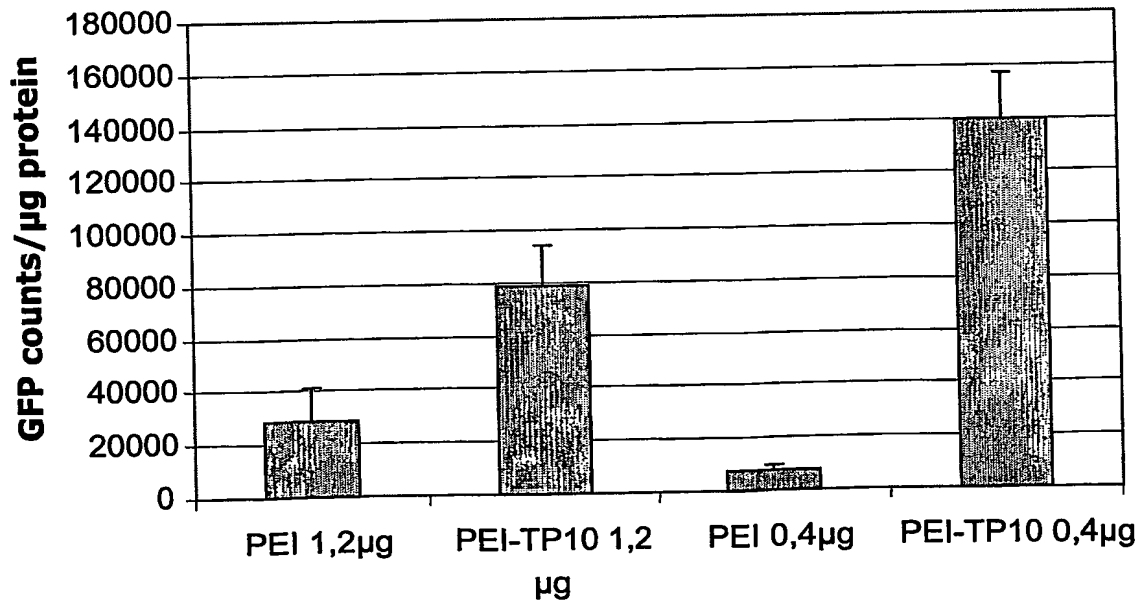


Fig. 21B



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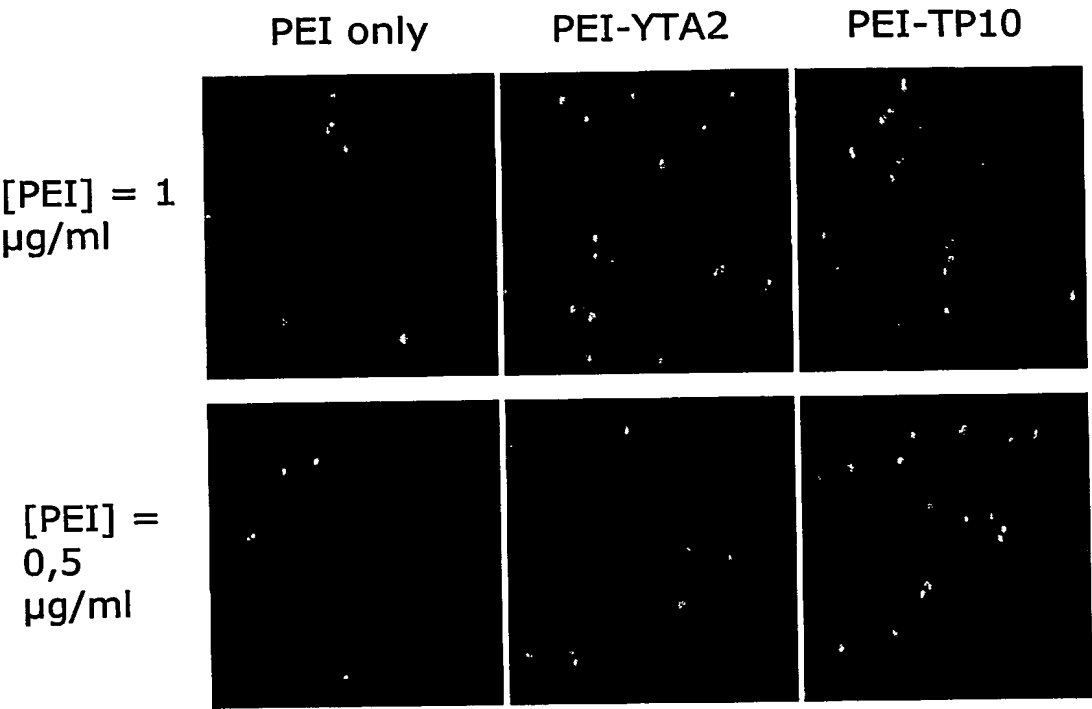


Fig. 22

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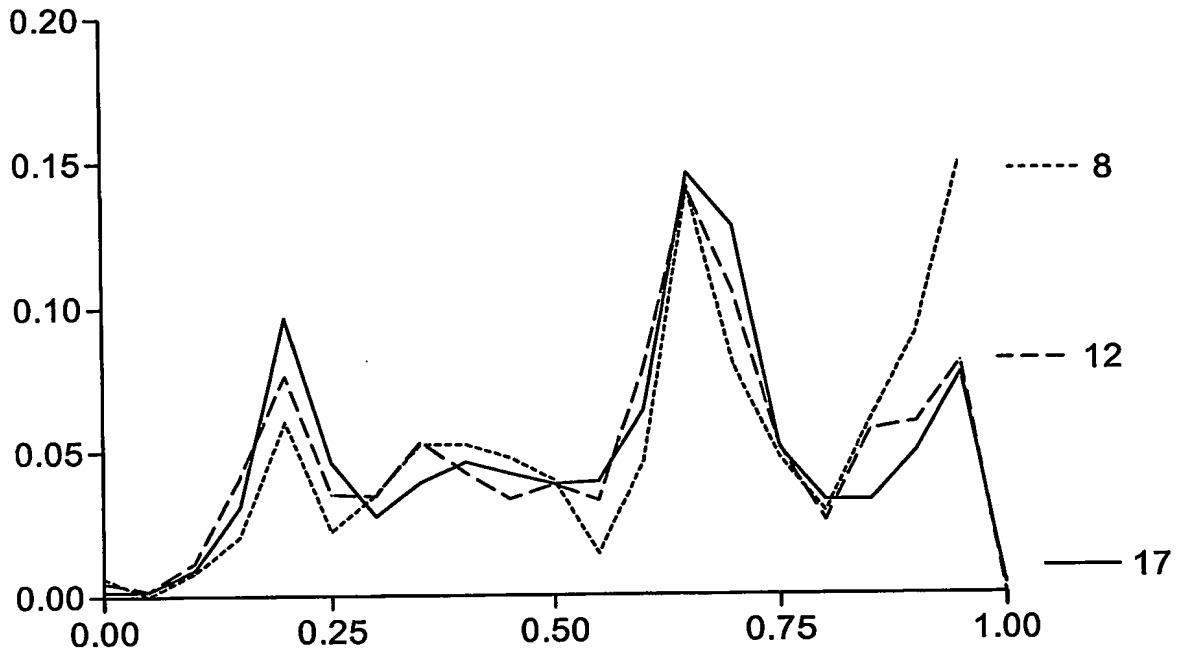


Fig. 23

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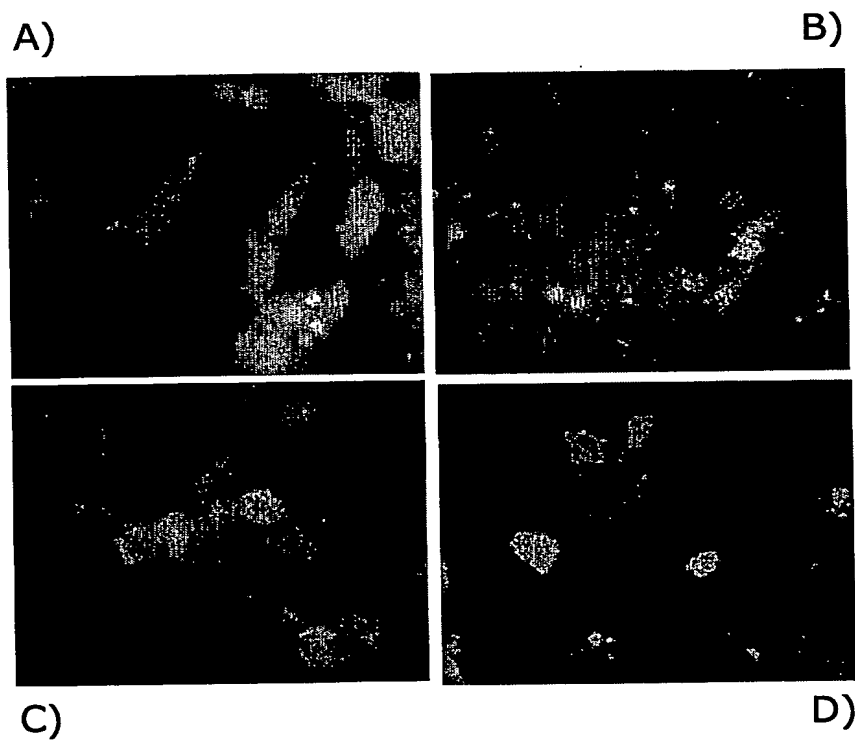
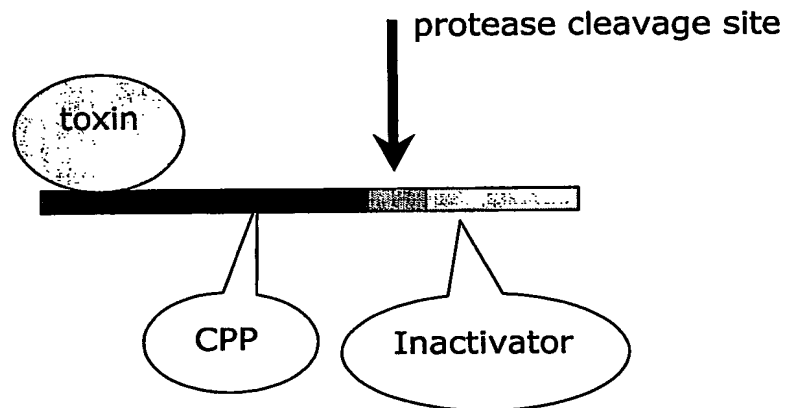
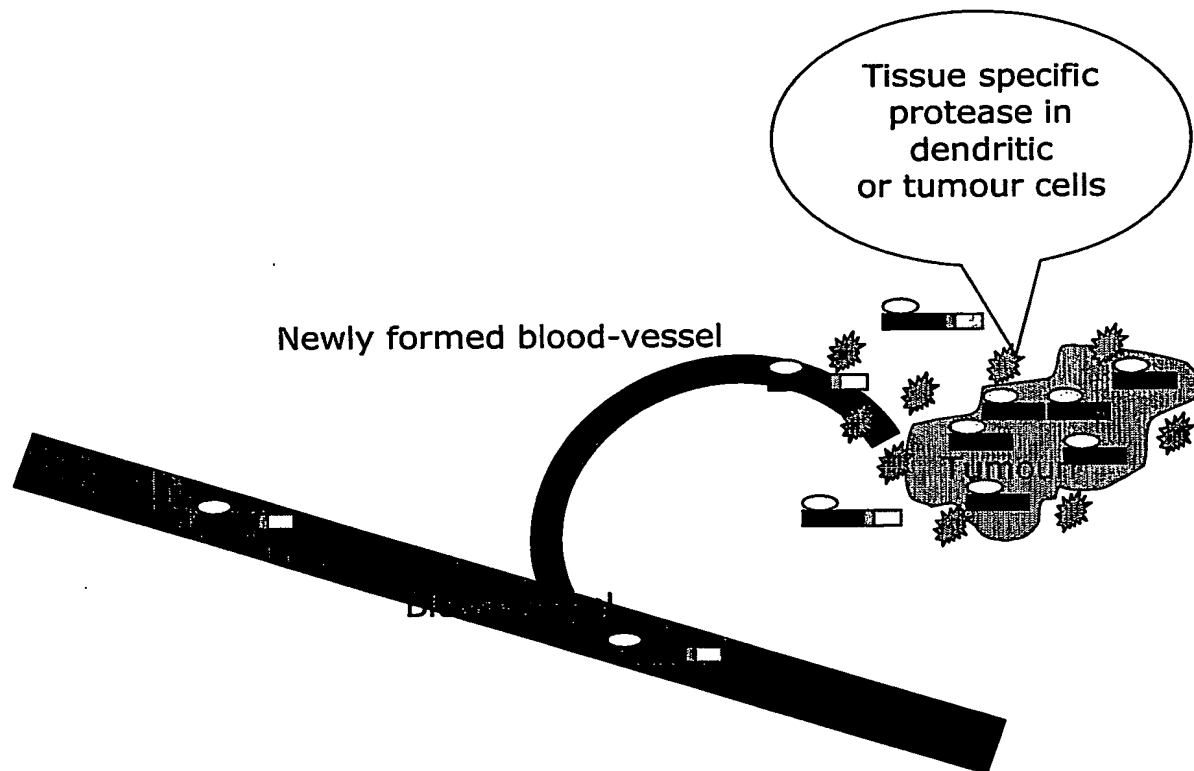


Fig. 24

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**Fig. 25**

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**Fig. 26**

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A)

B)

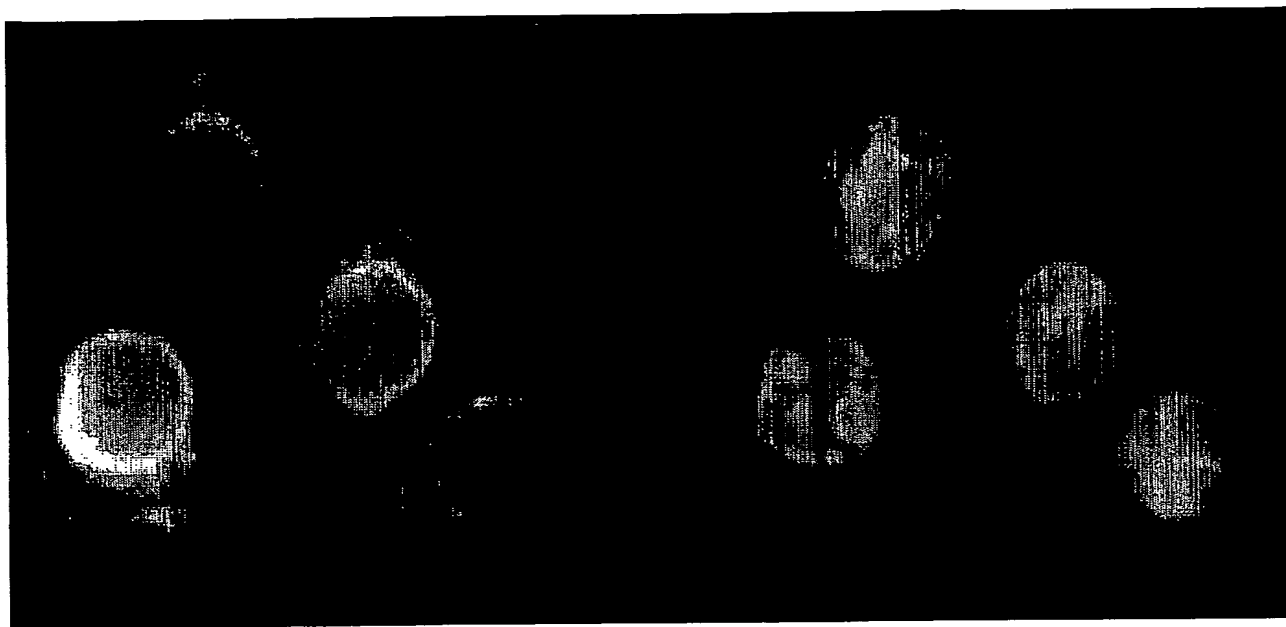
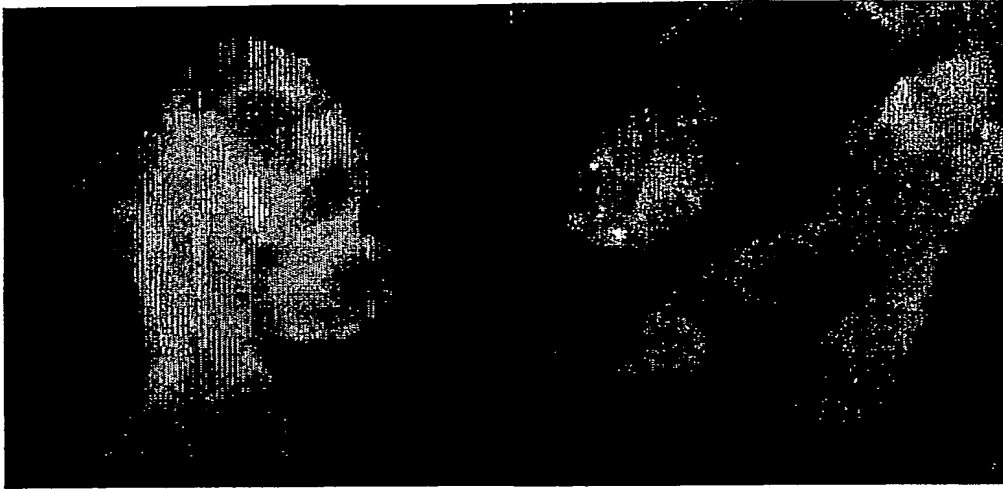


Fig. 27

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A)

B)

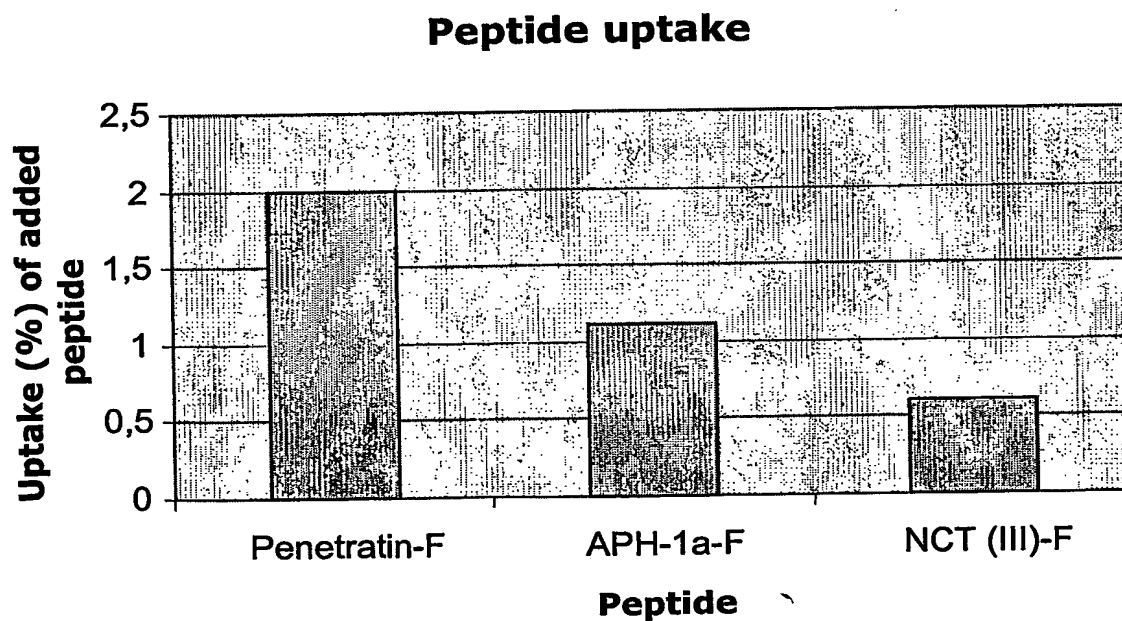
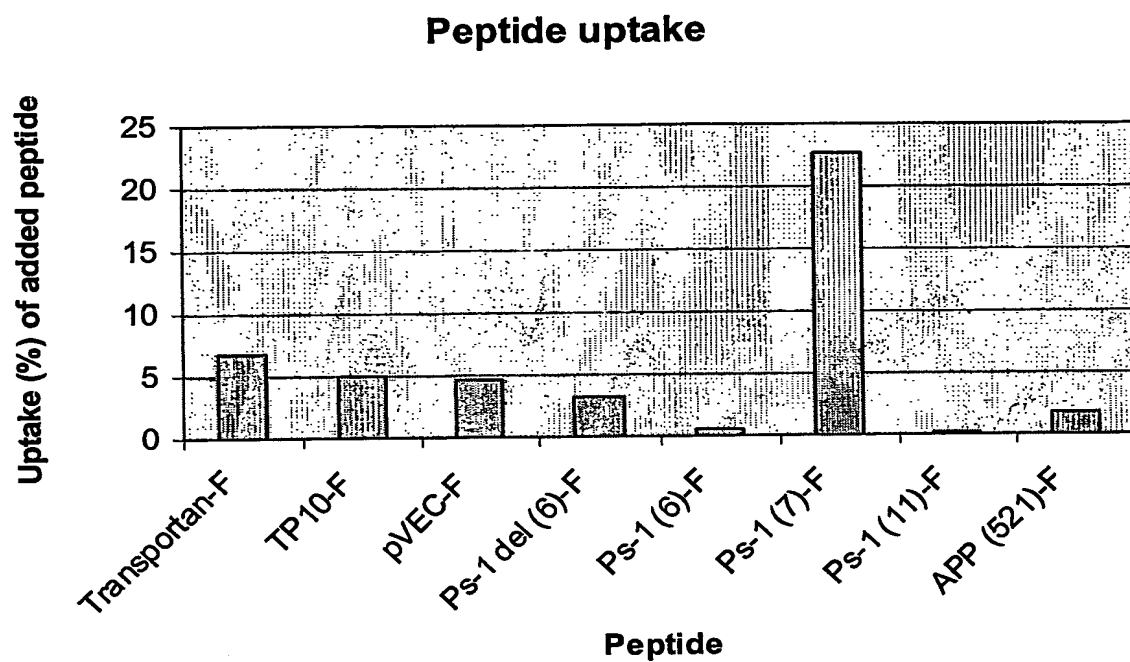


C)

D)

**Fig. 28**

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**Fig. 29**



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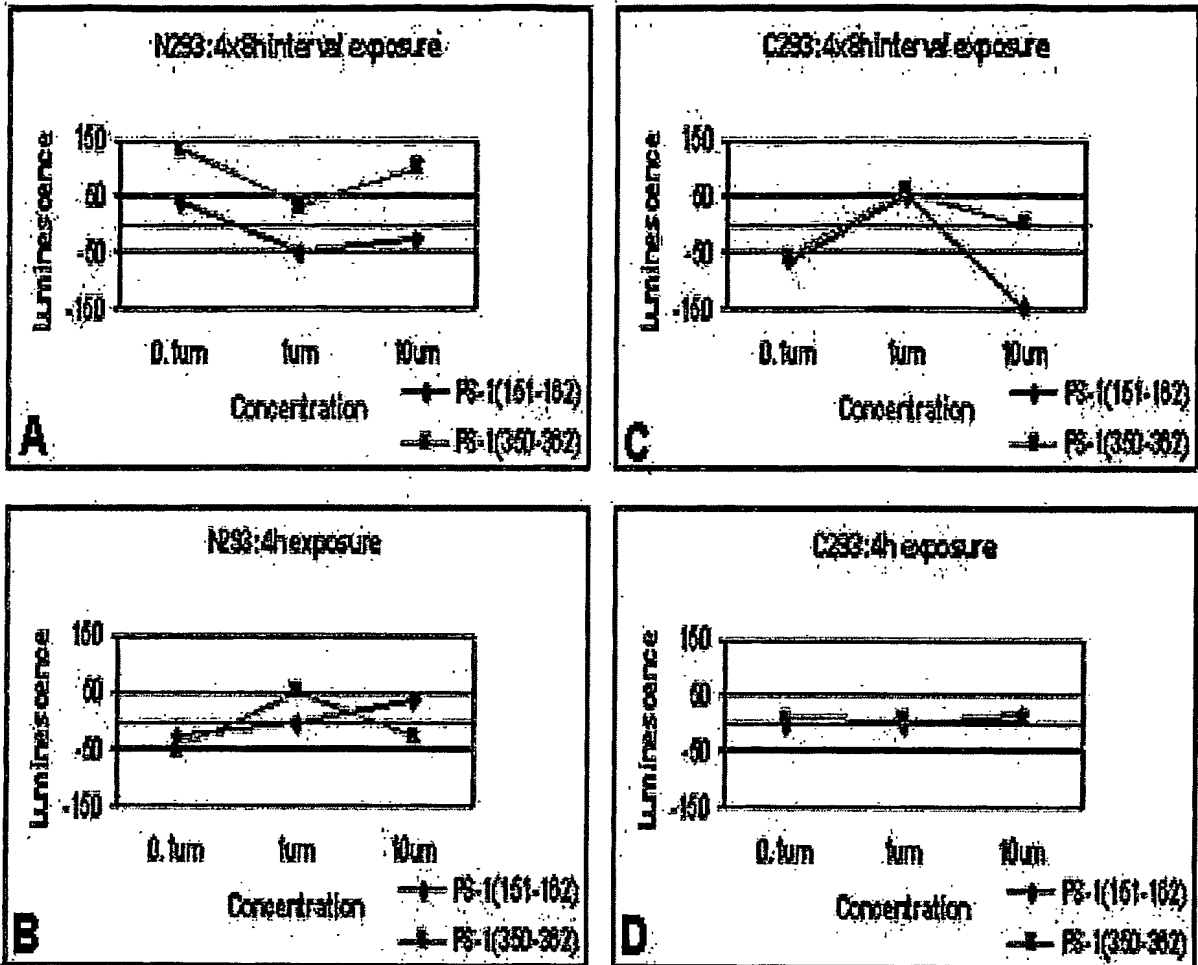
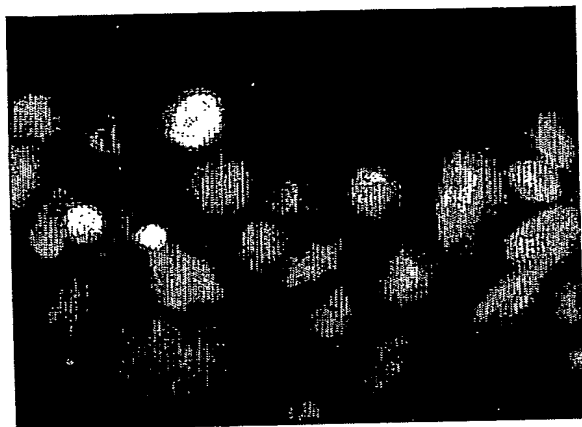
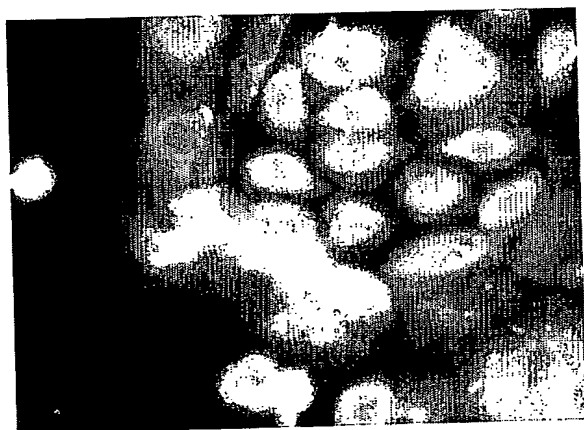
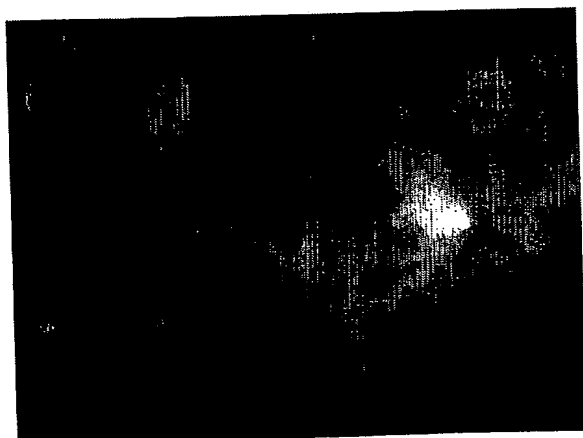


Fig. 30

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**no drug****1  $\mu$ M Apa- $\gamma$ Glu-Gly-Evo165****1  $\mu$ M MTX (=Apa-Glu)****Fig. 31**

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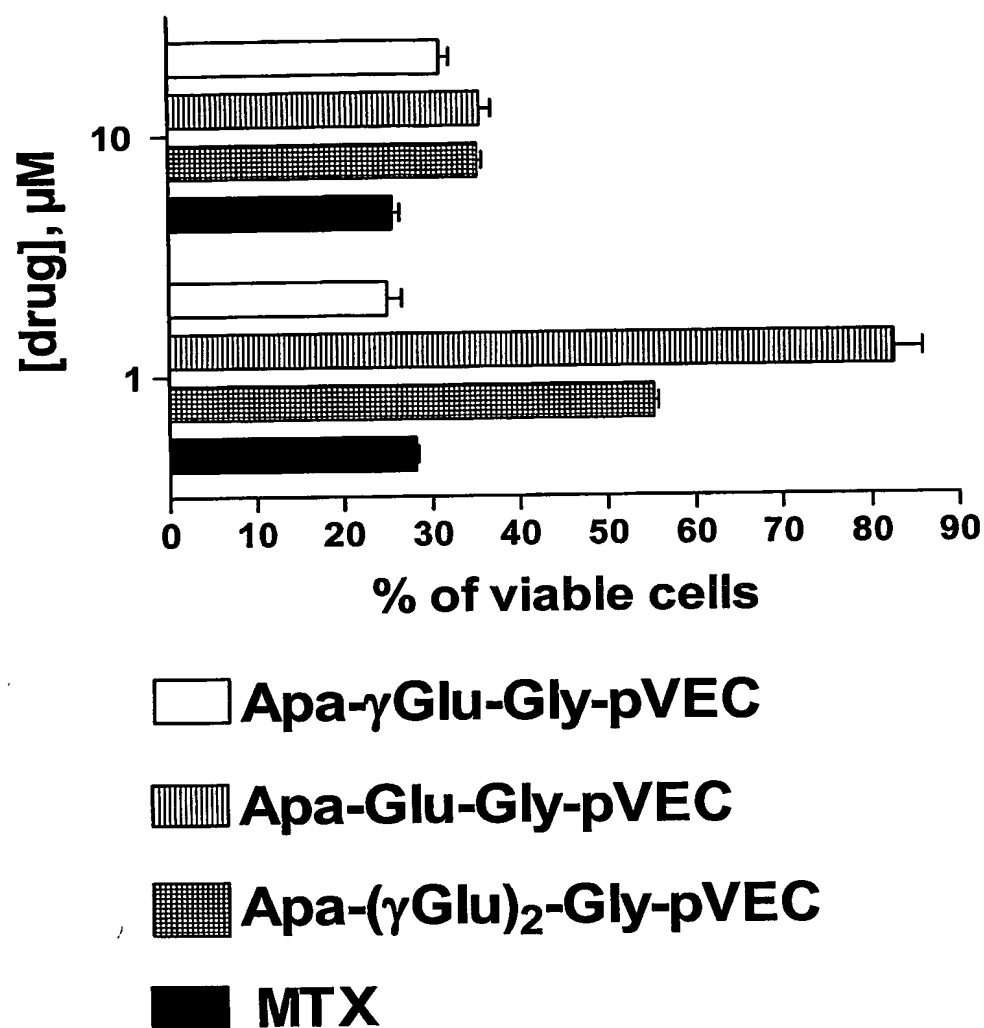


Fig. 32

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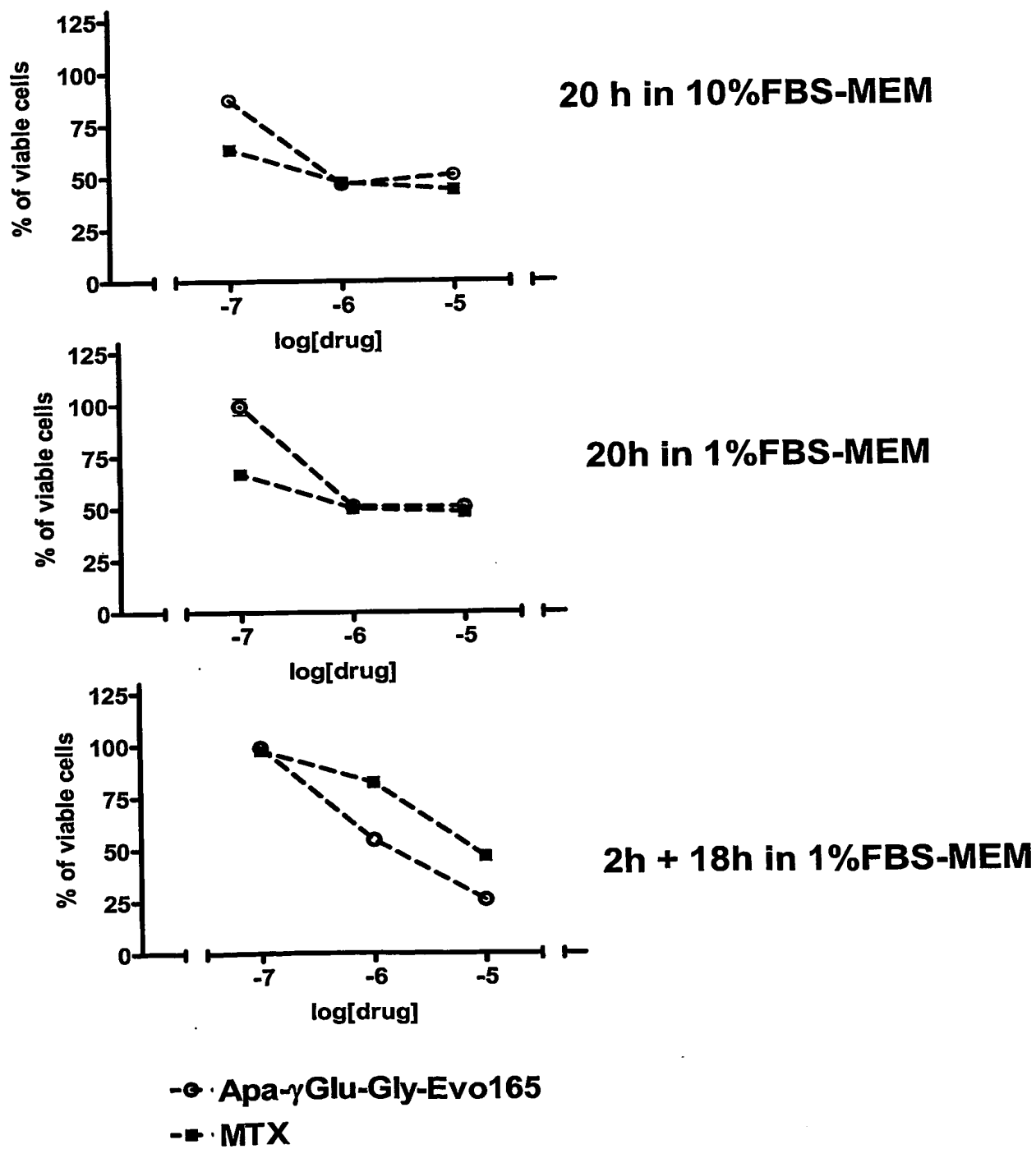
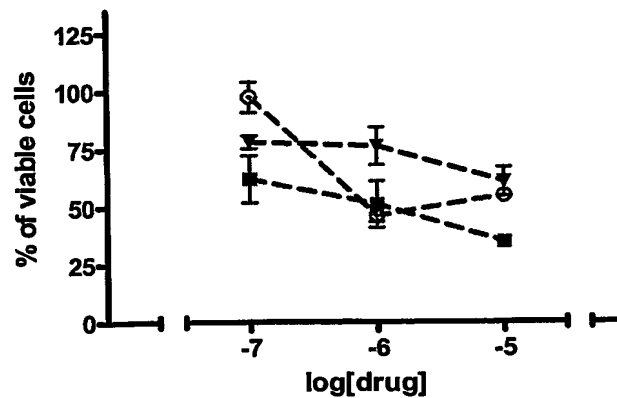
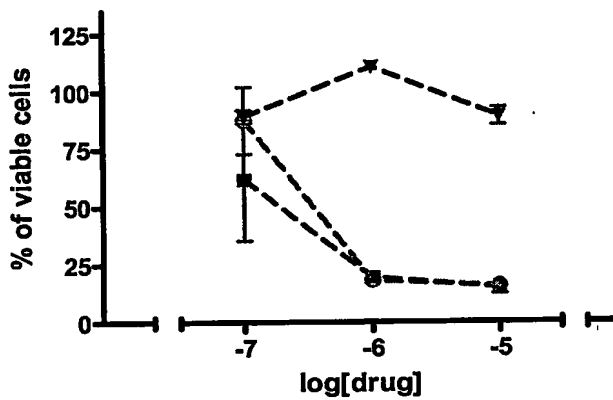
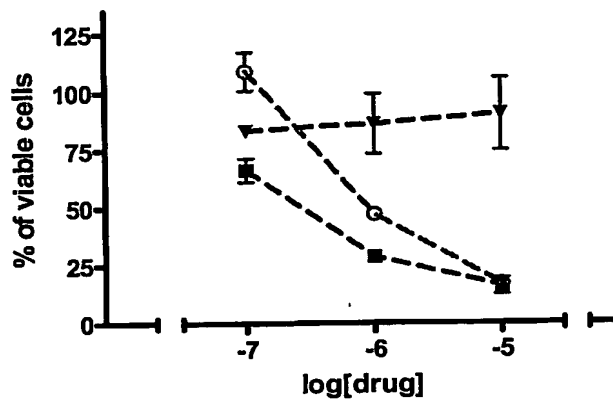


Fig. 33

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-■- MTX      -▼- YTA2  
-○- Apa-γGlu-Gly-YTA2

Fig. 34

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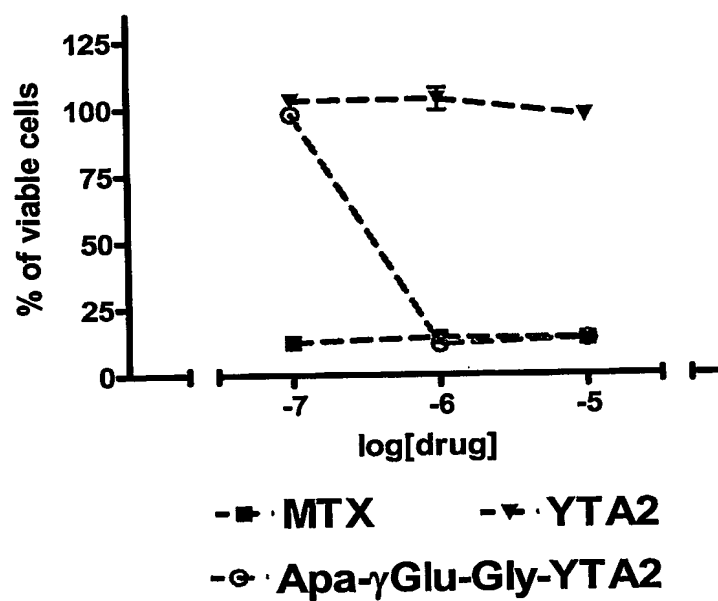


Fig. 35

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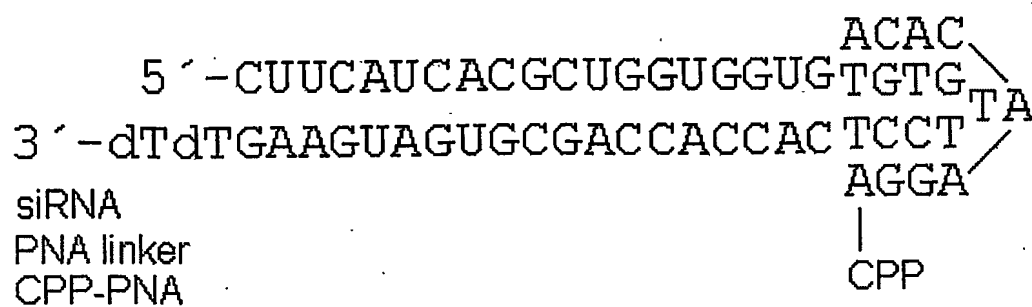
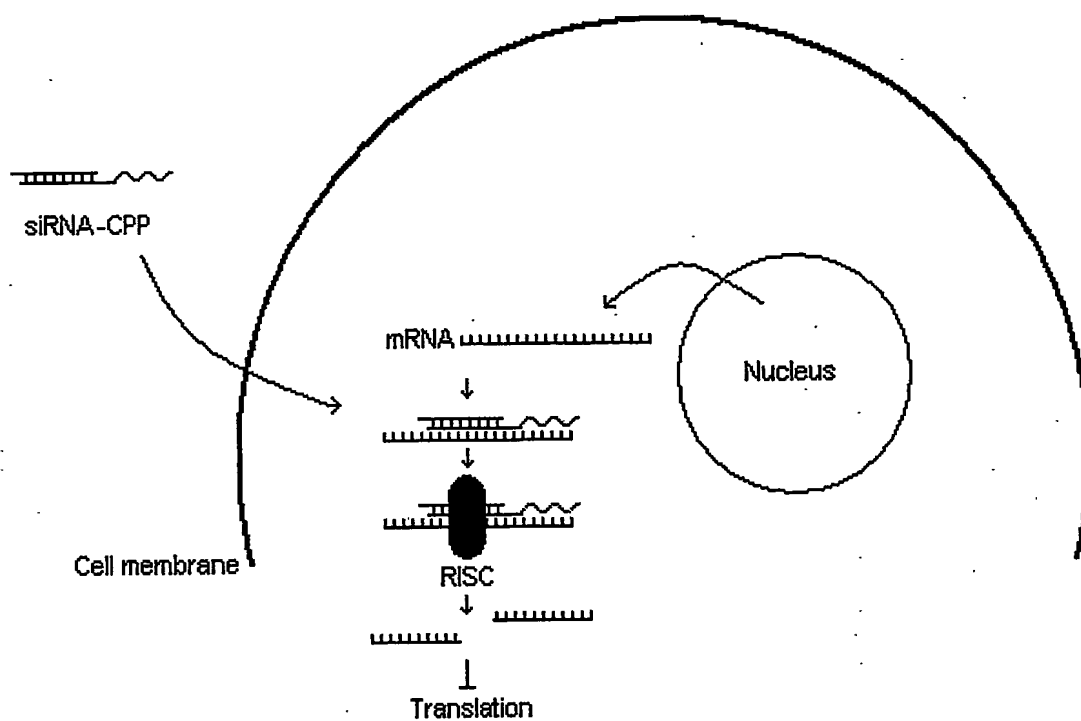
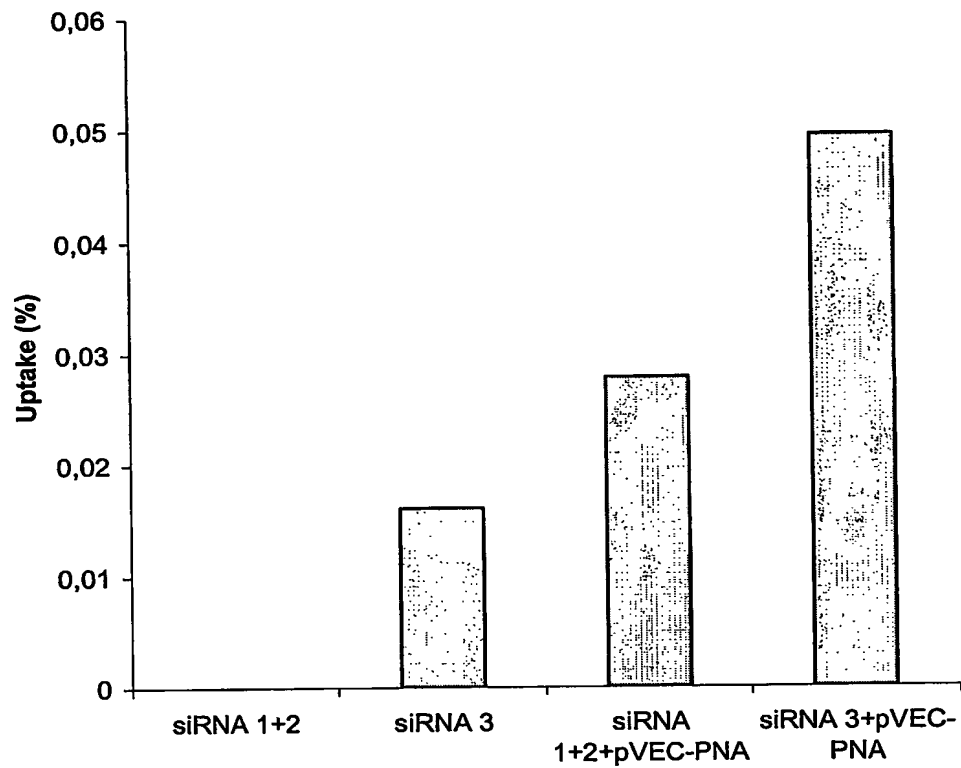


Fig. 36

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SS 5'-CUUCGUCACGCUGGUGGUGdTdT TTGTGTTTCCT-3' (1)

AS FLUO-3'-dTdTGAAGCAGUGCGACCACCAC-5' (2)

FLUO-5'-  
CUUCGUCACGCUGGUGGUGdTdT TTGTGTTTCCTCACCACCAGCGUGACGAAGdTdT-  
3' (5)

Fig. 37

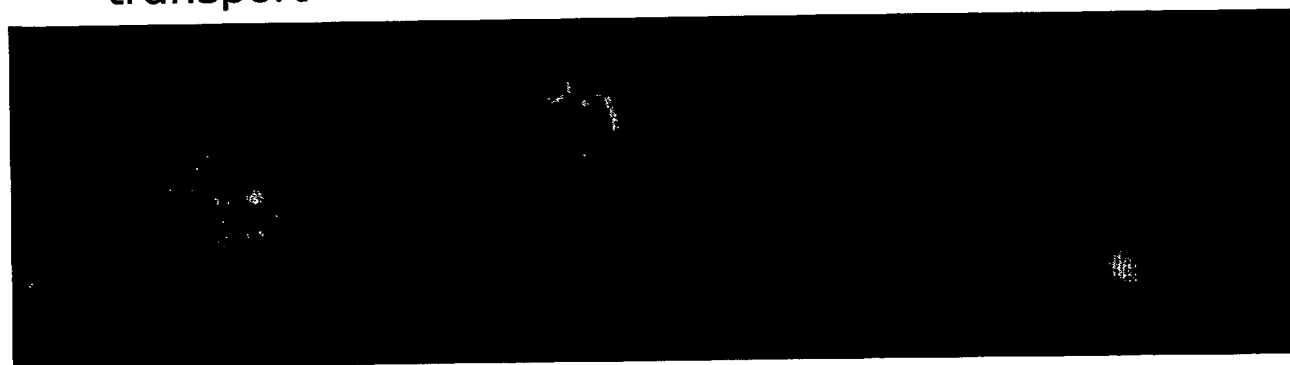


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transport

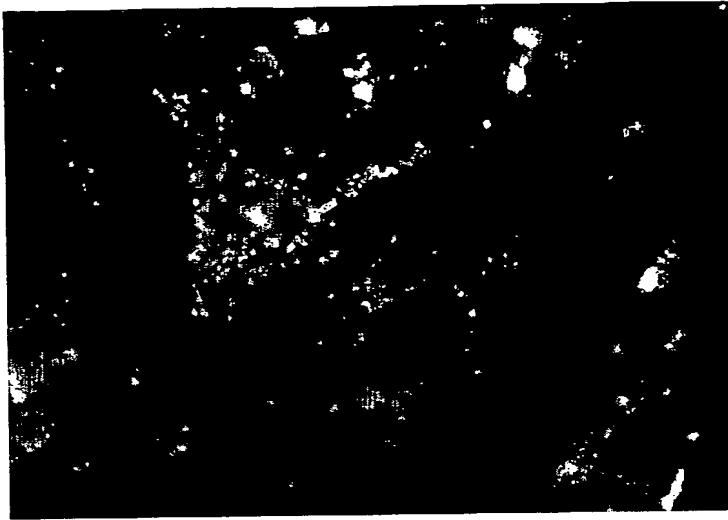
TP10

penetratin

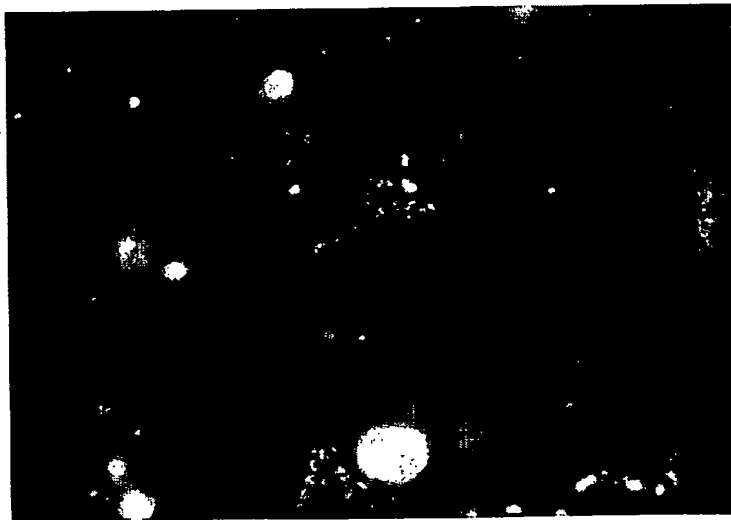


**Fig. 38**

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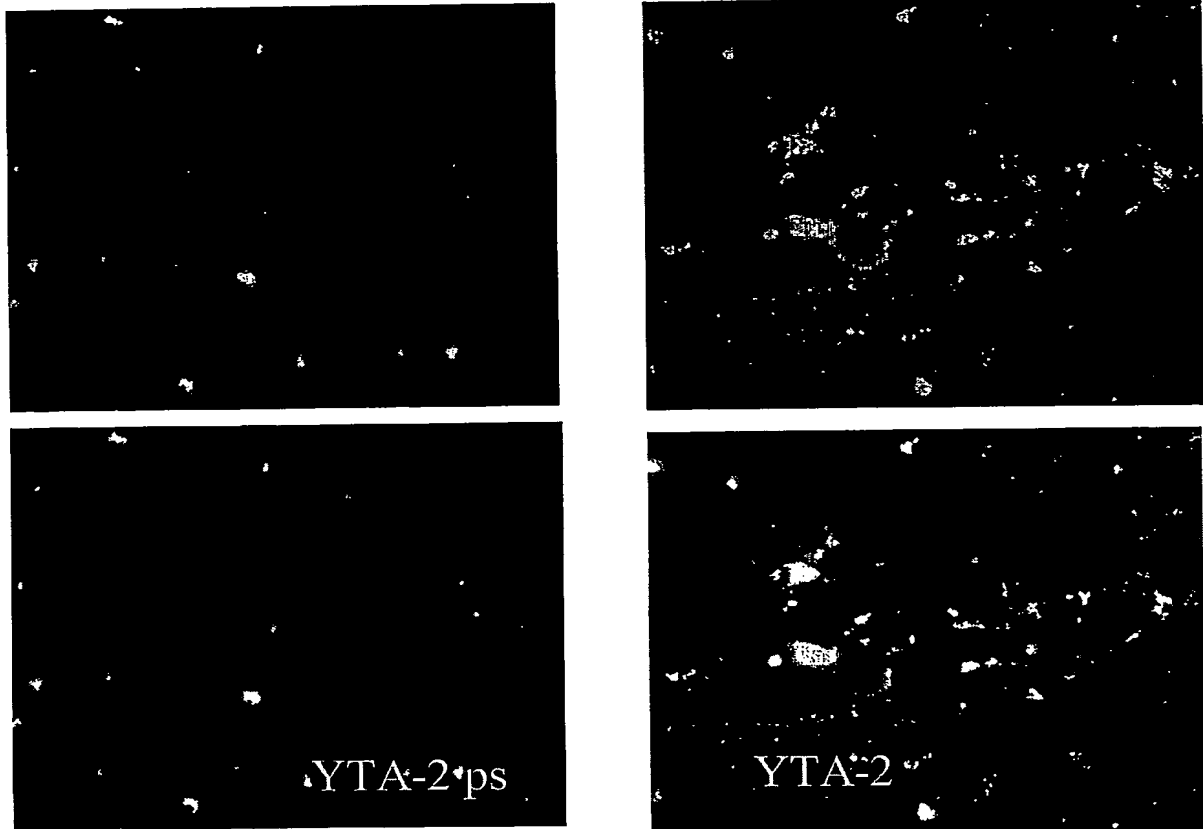
YTA-2



YTA-2ps

**Fig. 39**

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**Fig. 40**

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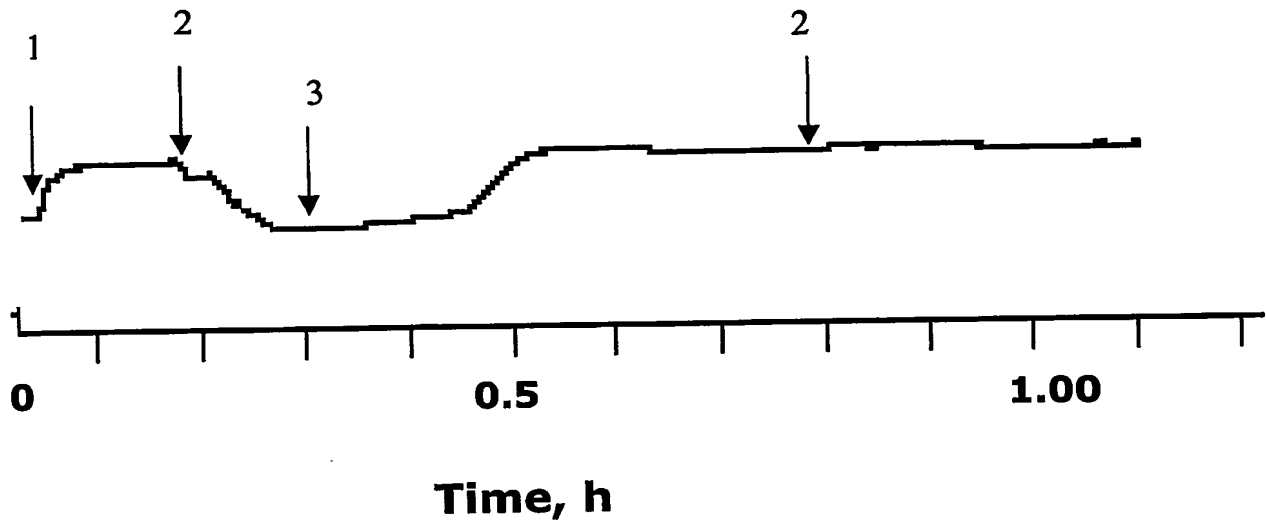
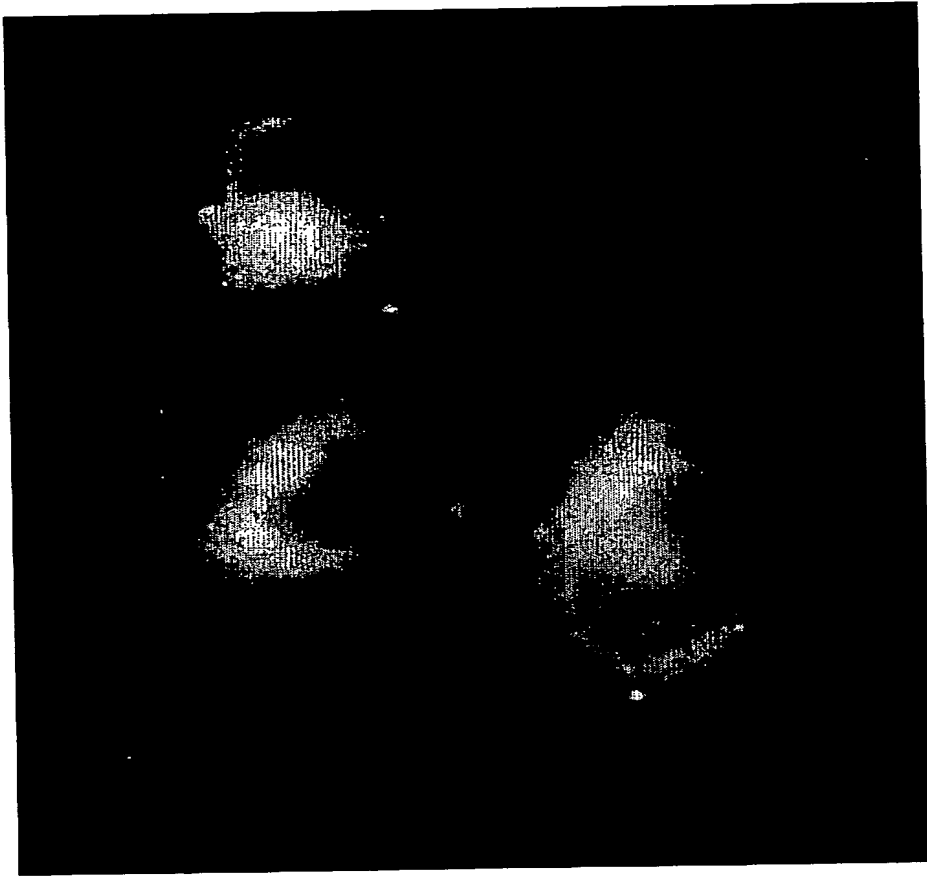


Fig. 41

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**Fig. 42**